

the influence of the stereochemistry of the  
reaction of symmetrical organochlorine com-  
pounds with mercuric halides, A. N. Kucharsky,  
O. A. Fedorova, Ya. Yang-Ch'ieh, Li Ching-Chia,  
21 pp.

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1187/187

Hydrolytic Isomerization of 1,1,1-Trichloro-  
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Freidlin, V. N. Kost, 3 pp.

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Vinyl Compounds of Heavy Metals, by A. H.  
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Reverse-Dissproportionation Reaction of Chelat  
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Synthesis of Organic Compounds of Quinquevalent Antimony, by the Arylation of the Organoantimony Compounds  $\text{ArSbX}_2$  and  $\text{Ar}_2\text{SbX}$  with Diazo Compounds, by A. B. Nesmerenkov, O. A. Royutov, O. A. Ptitayna, and P. A. Tatarov, 9 pp.

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Dissociation Constants, by A. N. Negmeyerov, L. I.  
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Alexander Stropikheev, A. Freidline, R. Kh.  
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G. B., and others,

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*Alexander N. Nesmeyanov*

A New Method of Preparation of Alkoxy Derivatives  
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Aromatic Systems. Communication 1. Hydrogen  
Exchange between Ferrocene and Mono- and diacetyl  
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Ammonium Salts Report XVI, Synthesis of Organo-  
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Optically Active Organomercury Compounds.  
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Perevalova, 5 pp.

Full translation.

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Decomposition and Formation of Onium Salts, and  
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Communication 8, Decomposition of Benzenedia-  
zonium Fluoborate in Presence of Nitriles, by  
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Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,  
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Assoc Tech Sv RJ-251  
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Scientific - Chemistry  
CTB 73/Oct 1955

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Sci

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Preparation of Ketones Containing an Atom of Tin in  
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Hydrogen Substitution Reactions of Ferrocene,  
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CTB 73/Oct 1955

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[1961] 8p. 4 refs.

Order from OTS or SLA \$1.10

61-20228

Trans. of Akademiya Nauk SSSR. Doklady, 1955,  
v. 102, no. 3, p. 535-538.

DESCRIPTORS: \*Ferrocenes, \*Nitrophenols, Phenols,  
\*Amines, \*Anilines, Isomers, Chemical reactions,  
Synthesis.

Experiments are described in which m-nitrophenyl-  
ferrocene and p-ferrocenylphenol were obtained with  
diaz compounds and in which m-nitrophenyl-  
phenylferrocene and the previously described p-isomer  
(Akad. Nauk SSSR. Doklady 97: 459-461, 1954; avail-  
able in translation from LC or SLA as 59-10645) were  
used for preparing m- and p-ferrocenylanilines.  
(Chemistry--Organic, TT, v. 6, no. 11)

61-20228

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Office of Technical Services

Application of Adsorption Chromatography in Work  
with Ferrocene Derivatives

By A. N. Nesmeyanov, I. I. Kritskaya (p. 6)

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim. Nauk,  
No 10, 1962, pp. 1777-1782

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Addition of Benzenethiol to 2-Cyanovinyl  
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The Vapor Pressure of Thallium Determined by the Use of  
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Preparation of Some Chloro Fluoro Derivatives from  
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Reactions of o-Carboxybenzoylferrocene, by A. N.  
Nesmeyanov, V. D. Vil'chevskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,  
1961, pp 390-392.

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Synthesis of W,W,W-Trichloroalkylamines and W,W-Dichloroalkenylamines, by A. N. Nesmeyanov, L. I. Zakharkin, R. Kh. Freidlina, 6 pp.

Full translation

RUSSIAN, trans per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 1, USSR, Jan/Feb 1954, pp 34-40. CIA D 151104

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CTB 66/Mar 55

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Synthesis of Organomercury Compounds by a Reaction  
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O. A. Reutov, A. N. Mesnyanov, 8 pp.

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Nauk, No 4, USSR, 1953, pp 651-664.

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The Synthesis of 2-Alkylnaphtho- and 2-Alkyl-  
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A. N. Mesmeyanov, N. K. Kochetkov, M. I.  
Rydinskaya, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 3, May/Jun 1953, USSR, pp 479-483.

CIFA C 36682

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CTS/DEX

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Optically Active Organomercury Compounds.  
Communication 1. Preparation of the Diastereo-  
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S. S. Poddubnaya, 5 pp.

RUSSIAN, bimo per, Is Ak Nauk SSSR, Otdel Khim  
Nauk, No 4, USSR, 1953, pp 643-654.

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Dec 54 CTS

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63-16035

Nesmeyanov, A. N. and Kocheshkov, K. A.  
SYNTHESIS OF METALLOORGANIC COMPOUNDS BY  
METHOD OF DOUBLE DIAZONIUM SALTS. XVII.  
SYNTHESIS OF TETRAPHENYLLEAD BY THE AC-  
TION OF METALLIC LEAD POWDER ON PHENYL-  
DIAZONIUM BOROFUORIDE. [1963] 5p. 10 refs.  
Order from OTS or SLA \$1.10 63-16035

Trans. of Akademiya Nauk SSSR. Otdelenie Khimiche-  
skikh Nauk, Izvestiya, 1945, no. 5, p. 522-524.

DESCRIPTORS: \*Phenyl radicals, \*Lead compounds,  
\*Boron compounds, \*Fluorides, Lead, Metal powders,  
Azo radicals, \*Metalorganic compounds, Synthesis  
(Chemistry).

It is shown that through the decomposition of phenyl-  
diazonium borofluoride with metallic lead powder  
tetraphenyllead is obtained. (Author)  
(Chemistry--Organic, IT, v. 10, no. 9)

1. Title: Phenyl-diazonium  
borofluoride
2. Title: Tetraphenyllead
1. Nesmeyanov, A. N.
- II. Kocheshkov, K. A.
- III. Title: Synthesis . . .

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Splitting of Hydrogen Chloride from  $\alpha,\alpha,\alpha,\alpha$ -Tetra-  
chloroalkanes and  $\alpha,\alpha,\alpha$ -Trichloroalkanes, by  
A. N. Nesmeyanov, L. I. Zakharkin, 3 pp.

Full translation.

RUSSIAN, in per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 6, USSR, Nov/Dec 1953, pp 988-990. CIA D 151103

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CTB 66/Mar 55

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New Possibilities for the Synthesis of Organoantimony Compounds Through the Double Diazonium Salts of Antimony Trichloride, by A. W. Nesmeyanov, O. A. Reutov, O. A. Ptitsyna, 11 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCVI, No 6, 1953, pp 1341-1344.

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Synthesis of Aromatic Organometallic Compounds of  
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Nesmeyanov, T. P. Tolstaya, L. S. Isayeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 4,  
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Synthesis of Arylstibonic Acids via Double Salts of  
Diazonium Salts and Antimony Pentachloride, by  
A. N. Nesmeyanov, O. A. Reutov, F. G. Knol, 6 pp.

Full translation.

RUSSIAN, bimo per, Is Ak Nauk SSSR, Otdel Khim Nauk,  
No 3, USSR, May-Jun 1954, pp 410-417. CIA D 151316

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Preparation of Tetraphenyl- and Tetra-p-Tolyl-Lead  
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With Lead-Sodium Alloy, by A. H. Neamyaynov,  
KEX L. G. Makarova, 2 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 2, 1954, pp 380. CIA D 151309

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May 55 CTS/DEX

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The Reactions of 3,3,3- and Trichloropropenes, by  
W. Nesmeyanov, L. I. Zakharkin, V. N. Kost,  
M. Freidlin, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
2, 1954, pp 258-265. CIA ID 151309

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May 55 CTS/DEK

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Use of the Salt  $(C_6H_5N_2Cl)_2 \cdot SbCl_3$  in the Double-Diazonium-Salt Method, by A. N. Mesmeyanov, N. K. Gipp, L. G. Makarova, K. K. Mozgova, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, Mar/Apr 1953, pp 298-302.

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Methods for the Preparation of Mixed Alkyl  
Orthotitanates Having the Structures  $(RO)_3TiOR'$   
and  $(RO)_2Ti(OR')_2$ , by A. M. Nesmeyanov, O.V.  
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Full translation

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CTS 66/Mar 55

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Absorption Spectra of Pyrilium Salts, by A. N.  
KOROTKINOV, L. A. Kazitsyna, N. K. Kochetkov, M. N.  
Rybinitskaya, 10 pp.

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No 5, Sep-Oct 1954, pp 784-795. CIA C 39501

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Nov 55 CTS/DEX

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Synthesis of Sulfur-Containing Polynuclear Compounds  
of *W*, *W'*-Thiodicarboxylic Acids, by A. N.  
~~Nesmenov~~, L. I. Zakharkin, R. G. Petrova, 4 pp.

RUSSIAN, blind per, Iz Ak Nauk SSSR, Otdel Khim  
Mest, No 2, 1954, pp 253-257. CIA D151309

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Order from LC or SLA mi\$1.80, ph\$1.80 61-10640

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1958,  
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Tetrachloroethylene (1000ml) and water (500 ml) were  
placed in a rocking autoclave of stainless steel with a  
volume of 2700 ml. Ethylene was introduced at 50 atm  
and the mixture was heated at 140°C. Over a period  
of 15 hr, a total of 12 g of t-butyl peroxide in 200 ml  
of tetrachloroethylene was added at the rate of 20 ml  
every 1.5 hr. The mixture obtained was fractionated  
and the individual tetrachloroalkenes were determined.  
Reactions of tetrachloroalkenes (n = 2, 3) with diethyl-  
amine produced diethylamino compounds of the struc-  
ture  $(C_2H_5)_2N(CH_2CH_2)_nCCl = CCl_2$ . Reactions of the  
diethylamino compounds with metallic sodium gave  
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